

Title (en)

PROCESS FOR PRODUCING AN EMBOSSED THERMOPLASTIC RESIN SHEET HAVING A COLORED LAYER

Publication

EP 0173337 A3 19871216 (EN)

Application

EP 85110897 A 19850829

Priority

JP 18309484 A 19840831

Abstract (en)

[origin: US4671913A] A process for continuously producing an embossed thermoplastic resin sheet having a colored layer which comprises associating a molten thermoplastic resin A and a molten thermoplastic resin B having a different color from the resin A within a die for extrusion molding, extruding the associated mass through an extrusion opening to form a two-layered thermoplastic resin sheet, and thereafter embossing the sheet, wherein the temperature T (DEG C.) of the thermoplastic resin sheet immediately before the embossing and the surface roughness R (micrometers) of said sheet immediately before the embossing expressed by a 10-point average roughness in accordance with ISO-R468 are selected so as to satisfy the following relation $1.2R+T \leq 145$ (1).

IPC 1-7

B29C 47/04; **B29C 59/02**

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [A] EP 0111678 A1 19840627 - DYNAMIT NOBEL AG [DE]
- [A] AU 6394065 A 19670316

Cited by

CN106626346A; EP0710545A1; GB2288144A; GB2288144B; EP3281924A4; US10414129B2; EP1501672A1; EP3281924B1

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